



4  
Docket No. A062 US

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Michael Karpusas et al.  
Serial No.: 09/826,716  
Filing Date: April 5, 2001  
For: CRYSTALS OF THE ALPHA 1 BETA 1 INTEGRIN 1-DOMAIN AND THEIR USE

### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Post Office as First Class Mail addressed to BOX MISSING PARTS, Assistant Commissioner for Patents, Washington, D.C. 20231 on the date shown below.

Date: June 12, 2001 Signature: Jeanne Schmitter

### REQUEST FOR CORRECTION OF APPLICATION FILING RECEIPT

The Official Filing Receipt received in connection with the above-identified application should include Matthais Nolte, Salem N.H. as an inventor. Please take the necessary steps to issue a Corrected Filing Receipt to include him as inventor. In addition, please note that the residence for inventor Michael Karpusas is Roslindale, MA. A copy of the Official Filing as received on May 15, 2001 is enclosed with the requested corrections indicated in red for your review.

Please charge our deposit account 02-2327 for any deficiencies.

Respectfully submitted,

Date: June 12, 2001

*Niki Cox*  
Niki D. Cox  
Reg. No. 42,446  
BIOGEN, INC.  
14 Cambridge Center  
Cambridge, MA 02142  
(617) 679-2079



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE RECD	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/826,716	04/05/2001	1754	1504	A062 US	2	33	10

BIOGEN, INC. - IP DEPT.  
MY 18 2001  
REFERRED TO NDC  
NOTED BY jd

CONFIRMATION NO. 4368

## FILING RECEIPT



\*OC000000006076185\*



Date Mailed: 05/15/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Michael Karpusas, Residence Not Provided;  
Matthias Nolte, Salem, N.H.

## Domestic Priority data as claimed by applicant

THIS APPLICATION IS A CON OF PCT/US99/23261 10/06/1999  
WHICH CLAIMS BENEFIT OF 60/103,301 10/06/1998

## Foreign Applications

If Required, Foreign Filing License Granted 05/14/2001

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

Title

Crystals of the alpha 1 beta 1 integrin I-domain and their use

Preliminary Class

REMINDER 29MY2001  
ACTION DUE         
END OF STAT

023

---

Data entry by : KANNO, MESERET

Team : OIPE

Date: 05/15/2001



**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

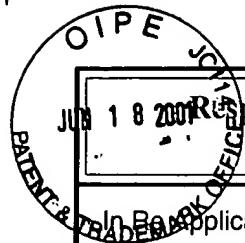
No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15 (b).

**PLEASE NOTE the following information about the Filing Receipt:**

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 500 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."
- The title is recorded in sentence case.

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, DC 20231



Sector 8

JUN 18 2001 Response To Notice To File Missing Parts Of Application  
Filing Date Granted (PTO-1533)(Large Entity)

Docket No.  
A062 US

In Re Application Of: Michael Karpusas et al.

Serial No.	Filing Date	Examiner	Group Art Unit
09/826,716	April 5, 2001	Not Assigned	1754

Invention:

Crystals of the alpha 1 beta 1 Integrin I-Domain and their Use

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Box Missing Parts

This is a response to the Notice to File Missing Parts of Application - Filing Date Granted (PTO-1533) mailed on

May 15, 2001

*Date*

Enclosed herewith for filing are the following:

- A copy of the Notice to File Missing Parts of Application - Filing Date Granted (PTO-1533). **(REQUIRED)**
- An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and Filing Date.
- A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date.
- An oath or declaration in compliance with 37 CFR 1.63 listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date.
- A verified English translation of the non-English language application papers as originally filed. It is requested that this translation be used as the copy for examination purposes in the United States Patent and Trademark Office.
- Other (list):

Copy of Filing Receipt  
Request to Correct Filing Receipt

**Response To Notice To File Missing Parts Of Application  
Filing Date Granted (PTO-1533)(Large Entity)**

Docket No.  
**A062 US**

In Re Application Of: Michael Karpusas et al.

Serial No. 09/826,716 PA 1 JUN 18 2001 Filing Date  
April 5, 2001

Examiner  
**Not Assigned**

## Group Art Unit 1754

## Invention:

## Crystals of the alpha 1 beta 1 Integrin I-Domain and their Use

**TO THE ASSISTANT COMMISSIONER FOR PATENTS:**

## Box Missing Parts

Completion of application fees as calculated below:

Utility application filing fee

Design application filing fee

Total number of independent claims = \_\_\_\_\_

Total number of claims =

**Multiple dependent claims**

Total completion of application fees \$130.00

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a response to the above-identified Notice to File Missing Parts of Application. The requested extension is as follows (check time period desired). If an additional time extension is required, please consider this a petition therefor.

One month       Two months       Three months       Four months       Five months

from: \_\_\_\_\_  
*Date*

until: \_\_\_\_\_ *Date*

### Total time extension fees

Total fees due \$130.00

Response To Notice To File Missing Parts Of Application  
Filing Date Granted (PTO-1533) (Large Entity)

Docket No.  
A062 US

In Re Application 011 P Michael Karpusas et al.

Serial No.  
09/826,716

JUN 18 2001

Filing Date  
April 5, 2001

Examiner  
Not Assigned

Group Art Unit  
1754

Invention:

Crystals of the alpha 1 beta 1 Integrin I-Domain and their Use

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Box Missing Parts

The fee of \$130.00 is to be paid as follows:

- A check in the amount of the fee is enclosed.
- The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. 02-2327  
A duplicate copy of this sheet is enclosed.
- If an additional extension of time is required, please consider this a petition therefor and charge any additional fees which may be required to Deposit Account No.  
A duplicate copy of this sheet is enclosed.

  
Signature

Dated:

June 12, 2001

Niki D. Cox, Ph.D.  
Reg. No. 42,446  
Biogen, Inc.  
14 Cambridge Center  
Cambridge, Massachusetts 02142 U.S.A.  
(617) 679-2079

I certify that this document and fee is being deposited on 12 June, 2001 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the ~~Box Missing Parts~~ Assistant Commissioner for Patents, Washington, D.C. 20231.

  
Signature of Person Mailing Correspondence

Jeanne Schmitter

Typed or Printed Name of Person Mailing Correspondence

cc:



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
 www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/826,716	04/05/2001	Karpusas	A062 US

CONFIRMATION NO. 4368

## FORMALITIES LETTER



\*OC00000006076186\*

Niki D. Cox  
 Biogen, Inc.  
 14 Cambridge Center  
 Cambridge, MA 02142

Date Mailed: 05/15/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

---

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

06/20/2001 AZERGAH1 00000062 022327 09826716

01 FC:105 130.00 CH